

WHAT IS CLAIMED IS:

1. A method for transforming color measurement data, comprising:
 - (a) providing a data transform or delta profile for transforming color measurement data from a first color calibration standard to a second color calibration standard;
 - 5 (b) obtaining color measurement data using a first color measuring instrument based on the first color calibration standard; and
 - (c) selectively transforming the color measurement data using the data transform or delta profile, so as to restandardize the color measurement data to the second color calibration standard.
- 10 2. The method of claim 1, wherein the data transform or delta profile is stored in a computer memory and is accessed by a processor.
3. The method of claim 1, wherein said selective transformation is effected in response to a user command.
4. The method of claim 1, wherein said selective transformation is effected
15 automatically upon obtaining color measurement data using the first color measurement data.
5. The method of claim 1, further comprising comparing the restandardized color measurement data to other color measurement data generated using the second color coordinate system.
6. The method of claim 1, further comprising updating the data transform or delta
20 profile based on current color measurement data measurements.

7. The method of claim 1, wherein the first color measuring instrument is a spectrophotometer.

8. The method of claim 1, wherein the first color measuring instrument is a colorimeter.

5 9. The method of claim 1, wherein the selective transformation restandardizes the color measurement data from a first centroid to a second centroid.

10. The method of claim 1, wherein a plurality of data transforms or delta profiles are provided, each of the plurality of data transforms or delta profiles permitting transformation of color measurement data between distinct color calibration standards.

10 11. A network-based method for transforming color measurement data, comprising:

(a) providing a data transform or delta profile for transforming color measurement data from a first color calibration standard to a second color calibration standard at a first network location;

(b) obtaining color measurement data using a first color measuring
15 instrument based on the first color calibration standard at a second network location; and

(c) selectively transforming the color measurement data using the data transform or delta profile, so as to restandardize the color measurement data to the second color calibration standard.

12. The method of claim 11, further comprising transmitting the data transform or delta profile from the first network location to the second network location across a network to permit the selective transformation.

13. The method of claim 11, further comprising transmitting the color measurement
5 data from the second network location to the first network location across a network to permit the selective transformation.

14. The method of claim 11, wherein said first network location includes a server that communicates with the first color measuring instrument and a plurality of other color measuring instruments across a network.

10 15. The method of claim 11, further comprising transmitting the restandardized color measurement data across a network for comparison with additional color measurement data that is based on the second color calibration standard.

16. The method of claim 11, wherein a plurality of data transforms or delta profiles are provided, each of the plurality of data transforms or delta profiles permitting transformation
15 of color measurement data between distinct color calibration standards.

17. A system for transformation of color measurement data, comprising:
a processor in communication with memory, wherein;
the memory contains at least one data transform or delta profile for transforming
color measurement data from a first color calibration standard to a second color calibration
20 standard; and further wherein

the processor is programmed to access the at least one data transform or delta profile and to run the data transform or delta profile so as to transform color measurement data generated by a color-measuring instrument from the first color calibration standard to the second color calibration standard.

5 18. The system of claim 17, further comprising a color-measuring instrument in communication with the processor.

 19. The system of claim 17, wherein the processor runs the data transform or delta profile in response to a user command.

 20. The system of claim 17, wherein said processor communicates with a network,
10 and color measurement data that is transformed by the running of the data transform or delta profile is transmitted to at least one remote location across the network by the processor.